

Attorney Docket No.: DEX-0243
Inventors: Recipon et al.
Serial No.: 10/016,349
Filing Date: October 26, 2001
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1: (currently amended) An isolated lung cancer specific nucleic acid molecule comprising

(a) a nucleic acid molecule comprising a nucleic acid sequence that encodes an amino acid sequence of SEQ ID NO: ~~137~~ through ~~244~~ 174;

(b) a nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: ~~1~~ through ~~136~~ 51;

(c) a nucleic acid molecule that selectively hybridizes under stringent hybridization conditions of 50% formamide/6X SSC at 42°C for at least 10 hours or 6X SSC at 68°C without formamide for at least 10 hours to the nucleic acid molecule of (a) or (b);
or

(d) a nucleic acid molecule having at least ~~60~~ 95% sequence identity to over at least 200 nucleotides of the nucleic acid molecule of (a) or (b).

wherein the nucleic acid molecule of (a), (b), (c) or (d) is detectably expressed specifically in lung cancer tissue.

Claim 2 (original): The nucleic acid molecule according to

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claim 1, wherein the nucleic acid molecule is a cDNA.

Claim 3 (original): The nucleic acid molecule according to claim 1, wherein the nucleic acid molecule is genomic DNA.

Claim 4 (original): The nucleic acid molecule according to claim 1, wherein the nucleic acid molecule is a mammalian nucleic acid molecule.

Claim 5 (original): The nucleic acid molecule according to claim 4, wherein the nucleic acid molecule is a human nucleic acid molecule.

Claim 6: (canceled)

Claim 7 (original): A vector comprising the nucleic acid molecule of claim 1.

Claim 8 (original): A host cell comprising the vector according to claim 7.

Claim 9 (original): A method for producing a polypeptide

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encoded by the nucleic acid molecule according to claim 1,
comprising the steps of (a) providing a host cell comprising the
nucleic acid molecule operably linked to one or more expression
control sequences, and (b) incubating the host cell under
conditions in which the polypeptide is produced.

Claims 10-14 (canceled)

Claim 15 (currently amended): A kit for detecting a risk of
cancer or presence of cancer in a patient, said kit comprising a
means for determining the presence the nucleic acid molecule of
claim 1 ~~or a polypeptide of claim 6~~ in a sample of a patient.

Claims 16-17: (canceled)

Claim 18: (new) The isolated lung cancer specific nucleic
acid molecule of claim 1 comprising encoding SEQ ID NO:174.

Claim 19: (new) The isolated lung cancer specific nucleic
acid molecule of claim 1 comprising SEQ ID NO:51.

Claim 20: (new) The isolated lung cancer specific nucleic ,

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acid molecule of claim 1 having at least 98% sequence identity over its entire length to the nucleic acid molecule of (a) or (b) .

Claim 21: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 having at least 99% sequence identity over its entire length to the nucleic acid molecule of (a) or (b) .

Claim 22: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 having at least 99.5% sequence identity over its entire length to the nucleic acid molecule of (a) or (b) .

Claim 23: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 having at least 99.9% sequence identity over its entire length to the nucleic acid molecule of (a) or (b) .

Claim 24: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 wherein sequence identity is over at least 250 nucleotides of the nucleic acid molecule of (a) or (b) .

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Claim 25: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 wherein sequence identity is over at least 300 nucleotides of the nucleic acid molecule of (a) or (b).

Claim 26: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 wherein sequence identity is over at least 300 nucleotides of the nucleic acid molecule of (a) or (b).

Claim 27: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 wherein sequence identity is over at least 400 nucleotides of the nucleic acid molecule of (a) or (b).

Claim 28: (new) The isolated lung cancer specific nucleic acid molecule of claim 1 wherein sequence identity is over at least 500 nucleotides of the nucleic acid molecule of (a) or (b).